

REMARKS/ARGUMENTS

The Pending Claims

Claims 28-30, 32, and 34-46 are pending.

Amendments to the Claims

Claims 1-27, 31, and 33 have been canceled as directed to non-elected subject matter. Claim 29 has been amended to depend from claim 28 and to adjust the identification characters within the claim. Claims 30 and 32 also have been amended to adjust the identification characters within the claims. Claims 34-46 are new and are supported by the specification and the originally filed claims (see, e.g., claim 28). No new matter has been added by way of these claim amendments.

The Restriction Requirement

The Office set forth a restriction requirement between the following three groups of claims:

Group 1 – claims 1-24 and 33, directed to a method of designing a peptide complementary to a target protein using moving waveforms;

Group 2 – claims 25-27 and 31, directed to a computer program and computer that executes a method of identifying an interaction region in a protein that interacts with a target protein, in some embodiments by further calculating an intermolecular energy parameter;

Group 3 – claims 28-30 and 32, directed to a computer program and computer that executes a method of identifying an interaction region by screening random protein sequences and determining an intermolecular energy parameter and a score matrix based on amino acid prevalence.

Applicants' Election

Applicants elect, without traverse, the claims of Group 3. Claims 28-30 and 32, as well as new claims 33-46, are directed to the subject matter of Group 3.

Conclusion

If, in the opinion of the Examiner, a telephone conference would expedite the prosecution of the subject application, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



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